

[illegible]

Abstract of Disclosure

A method for adaptively fabricating a waveguide comprises: measuring misplacement of a photonic device relative to a substrate; generating computer readable instructions for using a plurality of graphics primitives to form the waveguide; and photocomposing the waveguide on the substrate in accordance with the computer readable instructions. A reticle comprises a plurality of graphics primitives with at least one of the plurality of graphics primitives comprising a tapered end. A waveguide comprises a plurality of waveguide segments with each of the plurality of waveguide segments comprising a tapered end and being adjacent to at least one other of the plurality of waveguide segments.

